

AMENDMENTS TO THE CLAIMS:

1. (Currently Amended) A network storage type video camera system comprising:

camera terminal equipment for generating moving image data;

a network; and

a moving image storage server connected to the camera terminal equipment through the network,

wherein the camera terminal equipment converts the generated moving image data into packets to transmit in real time to the moving image storage server;

the moving image storage server stores received packets and then reports reception packet information on the received packets to the camera terminal equipment;

and further,

after real-time transmission of all of the packets converted from the generated moving image data from the camera terminal equipment is , ended the camera terminal equipment retransmits lost packets which are stored in the camera terminal equipment and have been lost during the transmission to the moving image storage server, based on the reception packet information reported from the moving image storage server, so that the moving image storage server obtains the generated moving image data composed of the received and stored packets and retransmitted lost packets, and

wherein the camera terminal equipment includes a storage means for storing packets for real-time transmission, from which lost packets to be supplied after the completion of the real-time packet transmission are obtained by deleting from the storage means the packets having been received by the moving image storage server according to the reception packet information reported from the moving image storage server, and a user interface for inputting an image capture order from a user, wherein a residual image recording time is estimated based on residual storage capacity of the camera terminal equipment, residual packet storage capacity of the moving image storage server, and the past record on both data transmission rate and data loss rate in the network, to display the residual image recording time onto the user interface .

2. (Cancelled)

3. (Previously Presented) The network storage type video camera system according to claim 1, wherein the moving image storage server restores the moving image data using both the packets being stored during the real-time packet transmission and the lost packets being supplied from the camera terminal equipment after the real-time transmission is completed.

4. (Currently Amended) The network storage type video camera system according to claim 1 ~~further comprising: wherein~~
~~—in the camera terminal equipment~~ includes ~~[[,]]~~ a drive mechanism for receiving a memory medium to store the packets being supplied to the moving image sever after the completion of the real-time packet transmission to complement the lost packets having been lost during the real-time transmission; and

~~the moving image storage server~~~~[[,]]~~ includes a drive mechanism for receiving the memory medium to read in stored packets being supplied to complement the lost packets having been lost during the real-time transmission.

5-6. (Cancelled)

7. (Currently Amended) The network storage type video camera system according to ~~claim~~ claim 1 wherein the estimation of residual recording time, A (T), is derived from the following formula;

$$A(T) = \text{MIN}(A_s(T), A_c(T))$$

where $A_s(T) = R_s(T) / (P_s(T) - PI(T))$,

$$A_c(T) = R_c(T) / PI(T),$$

and,

$R_c(T)$: residual storage capacity of the camera terminal equipment (bytes),

$R_s(T)$: residual packet storage capacity of the moving image storage server (bytes),

$P_s(T)$: number of transmission bytes to be transmitted within a predetermined period up to the time T in the network (bytes/sec),

$PI(T)$: quantity of data loss rate in the network (bytes/sec).

8. (Original) The network storage type video camera system according to claim 3 further comprising a moving image regeneration terminal being connected to the moving image storage server through a network, for distributing to the moving image regeneration terminal a moving image being stored during the real-time recording, and for distributing a restored moving image having no loss after the recording is completed.

9-10. (Cancelled)